

## Scientific Instruments



## Industry Overview

The scientific instruments industry (NAICS 3345, 3391) includes establishments that manufacture navigational, measuring, electro-medical, and control instruments such as aeronautical and laboratory analytical instruments, pacemakers, watches and clocks, and guidance systems; and medical, laboratory, surgical, dental, ophthalmic, and veterinary instruments and apparatus such as laboratory apparatus and furniture, surgical and medical instruments and supplies, and dental equipment.

## Texas Industry Facts

Firms	1,179
Establishments	1,243
Employment	34,884
Average Weekly Wage	\$1,481, \$927 *
Value Added Per Employee	\$222,454, \$222,816*
Value of Shipments	\$9.5, \$4.2 billion *
Total Capital Investments	\$190.4, \$96.8 million*

Sources: Texas Workforce Commission - 2010Q3  
Employment & Wages, Annual Survey of Manufactures, 2009  
\* NAICS 3345, 3391

## How Texas Ranks

NAICS	3345	3391
All Employees	3	8
Production Workers	2	6
Value Added	3	6
Value of Shipments	3	6
Total Capital Investments	4	7

Source: Annual Survey of Manufactures, 2009

## Texas Exports

- The export breakouts that best fit this industry are “computer and electronic products,” which include electromedical instruments and “miscellaneous manufactured commodities,” which include medical equipment and supplies.
- In 2010, Texas computer and electrical equipment exports were valued at \$39.1 billion and miscellaneous manufactured commodities exports were valued at \$3.4 billion.
- In 2010, computer and electrical equipment was Texas 1<sup>st</sup> and the miscellaneous manufactured commodities exports breakout was the 12<sup>th</sup> largest exporting category.

Source: WISERTrade, 2010 (NAICS 334, 339)

## Top Export Markets

## Computer and Electronic Products

Mexico	\$ 19,065,347,395
Canada	\$ 3,678,560,466
China (Mainland)	\$ 1,631,395,476
Netherlands	\$ 1,401,117,242
Republic of Korea	\$ 1,324,735,646

## Miscellaneous Manufactured Commodities

Mexico	\$ 1,662,814,782
Canada	\$ 376,612,671
Belgium	\$ 184,804,157
Japan	\$ 92,054,199
United Kingdom	\$ 88,264,509

Source: WISERTrade, 2010 (NAICS 334, 339)

## Major Industry Employers in Texas

Company	Location	Product Description
Alcon Laboratories	Fort Worth	Ophthalmic, pharmaceutical & surgical products
Abbott Laboratories	Irving, Austin	Biomedical equipment & intravenous supplies
Hospira, Inc.	Austin	Intravenous solutions & bags
Ethicon	San Angelo	Cardiovascular surgery & wound closure sutures
Alcon Research Ltd.	Houston	Ophthalmic surgical kits

Source: Texas Manufacturers Register 2010

## Recent Industry Trends

- 2010Q3 Texas scientific instruments industry firms, establishments, and wages increased while employment decreased slightly since 2009Q3.
- From 2008 to 2009, the overall Texas medical equipment industry's Total Capital Investments decreased 15.5%, Value Added per Employee increased 5%, and the Value of Shipments decreased slightly.

Sources: Texas Workforce Commission - 2010Q3 & 2009Q3 Employment & Wages, Annual Survey of Manufactures, 2009